

2. A method according to Claim 1 wherein the particulate carrier contains silica or its derivative.

4. A method according to Claim 3 wherein the magnetic particulate carrier contains a superparamagnetic metal oxide.

6. A method according to Claim 1 wherein the particulate carrier has an outer surface area of at least 5 m²/g.

7. A method according to Claim 1 wherein the particulate carrier has a specific surface area of 5 to 800 m²/g.

(a) mixing the material containing nucleic acids, a nucleic acid-binding particulate carrier having a particle diameter of 0.5 to 15 μm , a pore diameter of 50 to 500 nm and a pore volume of 200 to 5000 mm^3/g , and a nucleic acid extraction solution for allowing the nucleic acids to adsorb to the particulate carrier, to thereby bind the nucleic acids to the particulate carrier;

(b) separating a composite of the nucleic acids and the particulate carrier from the mixture obtained in Step (a) to remove contaminants; and

(c) eluting and collecting the nucleic acids from the composite of the nucleic acids and the particulate carrier.

9. A method according to Claim 1 wherein the nucleic acids are DNA and/or RNA.

10. A method according to Claim 1 wherein the material containing nucleic acids is a biological material.

11. A method according to Claim 10, wherein the biological material is a material selected from the group consisting of animal-derived blood, urine, saliva, other body fluids; plant-derived biological materials;

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16. A method according to Claim 15 wherein the first washing solution contains as a chaotropic substance at least one compound selected from the group consisting of guanidine thiocyanate, guanidine hydrochloride and sodium thiocyanate.

17. A method according to Claim 15 wherein the second washing solution contains an alcohol at a concentration of 40 to 100%.

18. A method according to Claim 8 wherein the composite of the nucleic acids and particulate carrier obtained in Step (b) is washed with a washing solution containing ethanol at a concentration of 70% and a washing solution containing ethanol at a concentration of 99%.

19. A method of detecting a target nucleic acid,
10 comprising extracting nucleic acids by a method according
to Claim 1 and amplifying the target nucleic acid by
amplification reaction, and detecting the target nucleic
acid.

20. A method according to Claim 19 wherein the
15 amplification reaction is polymerase chain reaction.

21. A method according to Claim 19 wherein the amplification reaction is nucleic acid sequence based amplification.

22. A method according to Claim 19, wherein the
20 target nucleic acid is detected by nucleic acid
hybridization assay.

23. A kit for extracting nucleic acids,
comprising a nucleic acid-binding particulate carrier
having a particle diameter of 0.5 to 15.0 μm , a pore
25 diameter of 50 to 500 nm and a pore volume of 20 to 5000

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Station	Time	Lat	Long	Alt	Temp	Wind	Clouds	Pressure	Humidity	Visibility	Remarks
1	0000	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
2	0100	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
3	0200	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
4	0300	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
5	0400	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
6	0500	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
7	0600	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
8	0700	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
9	0800	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
10	0900	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
11	1000	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
12	1100	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
13	1200	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
14	1300	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
15	1400	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
16	1500	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
17	1600	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
18	1700	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
19	1800	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
20	1900	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
21	2000	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
22	2100	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
23	2200	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear
24	2300	34° 15' N	121° 05' E	10	10.0	000	000	1013.2	75	10	Clear

mm³/g, a nucleic acid extraction solution for adsorbing nucleic acids to the particulate carrier, and a nucleic acid eluate for eluting the nucleic acids from a composite of the nucleic acids and the particulate carrier.

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